

# Solar Pumping Inverter

BPD0K7TNAC / 1K5TNAC / 2K2TNAC / 004TNAC



## Monitoring solution:



Keypad



WiFi 200  
GPRS 200



PhoneExpert  
InfoExpert  
Monitoring Center



Efficient

- Support driving single-phase motor and three-phase 220V motor.
- One pump inverter can be connected with multiple pumps, support vector control.
- Optional water level detection and diesel engine start/stop module.
- Wider operation voltage range, multi PV strings configuration and modules is possible, save PV module cost.



Smart

- Digital intelligent control can flexibly adjust and set the pump speed range.



Reliable

- IP65 and no fan design, with convenient installation, maintenance free.
- Soft start function, providing lightning protection, overvoltage, over current, overload protection function etc.

## Specification

	BPD0K7TNAC	BPD1K5TNAC	BPD2K2TNAC	BPD004TNAC
Input (DC)				
Max. DC voltage(V)	450			
Starting voltage (V)	80	100		
Minimum working voltage (V)	60	80		
MPPT Operating Voltage Range (V)	80-400	100-400		
Number of MPPT	1			2
Max. DC Current (A)	9	12		20
Bypass input (AC)				
Input voltage(Vac)	220/230/240(1PH)-15%+10%			
Input frequency (Hz)	47-63			
Input connect method	1P2L(L,N,PE)			
Output (AC)				
Rated power (W)	750	1500	2200	4000
Rated current (A)	5.1 (1PH)	10.2 (1PH)	14 (1PH)	25 (1PH)
	4.2 (3PH)	7.5 (3PH)	10 (3PH)	16 (3PH)
Output connect method	1P2L/2P3L/3P/3L			
Output frequency (Hz)	1-400			
Performance				
Control mode	V/F			
Topology of motor	Asynchronous machine			
Other parameter				
Dimension(HWDmm)	255×300×137			410×360×160
Weight (Kg)	6.4	7		13
Degree of protection	IP65			
Cooling method	Natural cooling			
HMMI	LED screen extend(not support LCD screen)			
Communication				
External communication	RS485/3 digital Inputs			
Certifications				
Certification	CE: IEC61800-3 C3			
Working environment				
Ambient temperature	-25℃~60℃ (derate after 45℃)			
Working altitude (m)	3000m (more than 2000m derating)			
Design life	5 years(warranty 18months)			
Recommended solar array configuration				
250Wp (Open-circuit voltage 38V±3V)	5x1	8x1	10x1	10x2
300Wp (Open-circuit voltage 45V±3V)	4x1	7x1	8x1	8x2